

ESCAPEMENT SYSTEM

ABSTRACT OF THE DISCLOSURE

An escapement system for orienting a plurality of fasteners includes a housing member including a first station and a second station, and a drum member operably coupled with the housing member and adapted to move a fastener from the first station to the second station. The escapement system also includes a first seating assembly adapted to abuttingly engage the fastener at the first station and seat the fastener against the datum surface, wherein a selected one of the housing member and the drum member includes the datum surface. The escapement system further includes a first probe assembly separate from the first seating assembly and including a first probe member adapted to abuttingly engage the fastener and a first proximity switch operably coupled with the first probe, wherein the first proximity switch is configured to indicate proper alignment on the fastener within the first station.